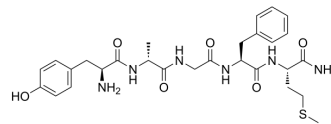


[D-Ala2]-Met-Enkephalinamide

Cat. No.:	HY-P3548
CAS No.:	61090-95-7
Molecular Formula:	C ₂₈ H ₃₈ N ₆ O ₆ S
Molecular Weight:	586.7
Sequence Shortening:	Y-{d-Ala}-GFM-NH ₂
Target:	Opioid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	[D-Ala ₂]-Met-Enkephalinamide, an opioid peptide, is a potent opioid agonist. [D-Ala ₂]-Met-Enkephalinamide decreases bile flow by a central mechanism. [D-Ala ₂]-Met-Enkephalinamide has analgesic properties ^{[1][2]} .								
In Vivo	<p>[D-Ala₂]-Met-Enkephalinamide decreases bile flow by a central mechanism in Sprague-Dawley rats^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Male Sprague-Dawley rats (250-320 g)^[1]</td> </tr> <tr> <td>Dosage:</td> <td>10, 50, 100, 150, and 200 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>Intracerebroventricular injection</td> </tr> <tr> <td>Result:</td> <td>Decreased in bile flow that ranged from 12% to 41%. Decreased bicarbonate secretion into bile.</td> </tr> </table>	Animal Model:	Male Sprague-Dawley rats (250-320 g) ^[1]	Dosage:	10, 50, 100, 150, and 200 mg/kg	Administration:	Intracerebroventricular injection	Result:	Decreased in bile flow that ranged from 12% to 41%. Decreased bicarbonate secretion into bile.
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REFERENCES

- [1]. Bergasa NV, et, al. The opioid peptide analog D-Ala₂-Met-enkephalinamide decreases bile flow by a central mechanism. *Peptides*. 1999;20(8):979-86.
- [2]. PERT CB, et, al. [D-Ala₂]-Met-Enkephalinamide: A Potent, Long-Lasting Synthetic Pentapeptide Analgesic. 1976 Oct 15;194(4262):330-2.

Caution: Product has not been fully validated for medical applications. For research use only.

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